

SEQUENCE LISTING

<110> Law, Lane K.
Davidson, Beverly L.

<120> Adenovirus serotype 30 (Ad30)

<130> 875.044US1

<160> 24

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 371

<212> PRT

<213> Adenovirus

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			20					25					30		
Val	Ser	Ser	Asp	Gly	Phe	Lys	Asn	Phe	Pro	Pro	Gly	Val	Leu	Ser	Leu
		35					40					45			
Lys	Leu	Ala	Asp	Pro	Ile	Ala	Ile	Thr	Asn	Gly	Asp	Val	Ser	Leu	Lys
	50					55					60				
Val	Gly	Gly	Gly	Leu	Thr	Val	Glu	Gln	Asp	Ser	Gly	Asn	Leu	Ser	Val
65					70					75					80
Asn	Pro	Lys	Ala	Pro	Leu	Gln	Val	Gly	Thr	Asp	Lys	Lys	Leu	Glu	Leu
				85					90					95	
Ala	Leu	Ala	Pro	Pro	Phe	Asp	Val	Arg	Asp	Asn	Lys	Leu	Ala	Ile	Leu
			100					105					110		
Val	Gly	Asp	Gly	Leu	Lys	Val	Ile	Asp	Arg	Ser	Ile	Ser	Asp	Leu	Pro
		115					120					125			
Gly	Leu	Leu	Asn	Tyr	Leu	Val	Val	Leu	Thr	Gly	Lys	Gly	Ile	Gly	Asn
	130					135						140			
Glu	Glu	Leu	Lys	Asn	Asp	Asp	Gly	Ser	Asn	Lys	Gly	Val	Gly	Leu	Cys
145					150					155					160
Val	Arg	Ile	Gly	Glu	Gly	Gly	Gly	Leu	Thr	Phe	Asp	Asp	Lys	Gly	Tyr
				165					170					175	
Leu	Val	Ala	Trp	Asn	Asn	Lys	His	Asp	Ile	Arg	Thr	Leu	Trp	Thr	Thr
			180					185					190		
Leu	Asp	Pro	Ser	Pro	Asn	Cys	Lys	Ile	Asp	Ile	Glu	Lys	Asp	Ser	Lys
		195					200					205			
Leu	Thr	Leu	Val	Leu	Thr	Lys	Cys	Gly	Ser	Gln	Ile	Leu	Ala	Asn	Val
	210					215						220			
Ser	Leu	Ile	Ile	Val	Asn	Gly	Lys	Phe	Lys	Ile	Leu	Asn	Asn	Lys	Thr
225					230					235					240
Asp	Pro	Ser	Leu	Pro	Lys	Ser	Phe	Asn	Ile	Lys	Leu	Leu	Phe	Asp	Gln
				245					250					255	
Asn	Gly	Val	Leu	Leu	Glu	Asn	Ser	Asn	Ile	Glu	Lys	Gln	Tyr	Leu	Asn
			260					265					270		
Phe	Arg	Ser	Gly	Asp	Ser	Ile	Leu	Pro	Glu	Pro	Tyr	Lys	Asn	Ala	Ile
		275					280					285			
Gly	Phe	Met	Pro	Asn	Leu	Leu	Ala	Tyr	Ala	Lys	Ala	Thr	Thr	Asp	Gln
	290					295					300				
Ser	Lys	Ile	Tyr	Ala	Arg	Asn	Thr	Ile	Tyr	Gly	Asn	Ile	Tyr	Leu	Asp
305					310					315					320

Asn	Gln	Pro	Tyr	Asn	Pro	Val	Val	Ile	Lys	Ile	Thr	Phe	Asn	Asn	Glu
				325					330					335	
Ala	Asp	Ser	Ala	Tyr	Ser	Ile	Thr	Phe	Asn	Tyr	Ser	Trp	Thr	Lys	Asp
			340					345					350		
Tyr	Asp	Asn	Ile	Pro	Phe	Asp	Ser	Thr	Ser	Phe	Thr	Phe	Ser	Tyr	Ile
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Ala	Gln	Glu													
	370														

<210> 2

<211> 362

<212> PRT

<213> Adenovirus

<400> 2

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			20					25					30		
Val	Ser	Ser	Asp	Gly	Phe	Gln	Asn	Phe	Pro	Pro	Gly	Val	Leu	Ser	Leu
		35					40					45			
Lys	Leu	Ala	Asp	Pro	Ile	Ala	Ile	Val	Asn	Gly	Asn	Val	Ser	Leu	Lys
	50					55					60				
Val	Gly	Gly	Gly	Leu	Thr	Leu	Gln	Asp	Gly	Thr	Gly	Lys	Leu	Thr	Val
65					70					75					80
Asn	Ala	Asp	Pro	Pro	Leu	Gln	Leu	Thr	Asn	Asn	Lys	Leu	Gly	Ile	Ala
				85					90					95	
Leu	Asp	Ala	Pro	Phe	Asp	Val	Ile	Asp	Asn	Lys	Leu	Thr	Leu	Leu	Ala
			100					105					110		
Gly	His	Gly	Leu	Ser	Ile	Ile	Thr	Lys	Glu	Thr	Ser	Thr	Leu	Pro	Gly
	115						120					125			
Leu	Arg	Asn	Thr	Leu	Val	Val	Leu	Thr	Gly	Lys	Gly	Ile	Gly	Thr	Glu
	130					135					140				
Ser	Thr	Asp	Asn	Gly	Gly	Thr	Val	Cys	Val	Arg	Val	Gly	Glu	Gly	Gly
145					150					155					160
Gly	Leu	Ser	Phe	Asn	Asn	Asp	Gly	Asp	Leu	Val	Ala	Phe	Asn	Lys	Lys
				165					170					175	
Glu	Asp	Lys	Arg	Thr	Leu	Trp	Thr	Thr	Pro	Asp	Thr	Ser	Pro	Asn	Cys
			180					185					190		
Lys	Ile	Asp	Gln	Asp	Lys	Asp	Ser	Lys	Leu	Thr	Leu	Val	Leu	Thr	Lys
		195					200					205			
Cys	Gly	Ser	Gln	Ile	Leu	Ala	Asn	Val	Ser	Leu	Ile	Val	Val	Asp	Gly
	210					215					220				
Lys	Tyr	Lys	Ile	Ile	Asn	Asn	Asn	Thr	Gln	Pro	Ala	Leu	Lys	Gly	Phe
225					230					235					240
Thr	Ile	Lys	Leu	Leu	Phe	Asp	Glu	Asn	Gly	Val	Leu	Met	Glu	Ser	Ser
				245					250					255	
Asn	Leu	Gly	Lys	Ser	Tyr	Trp	Asn	Phe	Arg	Asn	Glu	Asn	Ser	Ile	Met
			260					265					270		
Ser	Thr	Ala	Tyr	Glu	Lys	Ala	Ile	Gly	Phe	Met	Pro	Asn	Leu	Val	Ala
		275					280					285			
Tyr	Pro	Lys	Pro	Thr	Ala	Gly	Ser	Lys	Lys	Tyr	Ala	Arg	Asp	Ile	Val
	290					295					300				
Tyr	Gly	Asn	Ile	Tyr	Leu	Gly	Gly	Lys	Pro	Asp	Gln	Pro	Val	Thr	Ile
305					310					315					320
Lys	Thr	Thr	Phe	Asn	Gln	Glu	Thr	Gly	Cys	Glu	Tyr	Ser	Ile	Thr	Phe
				325					330					335	

Asp Phe Ser Trp Ala Lys Thr Tyr Val Asn Val Glu Phe Glu Thr Thr
 340 345 350
 Ser Phe Thr Phe Ser Tyr Ile Ala Gln Glu
 355 360

<210> 3
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 <213> Adenovirus

<400> 3
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 Tyr Gly Tyr Ala Arg Asn Gln Asn Ile Pro Phe Leu Thr Pro Pro Phe
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 35 40 45
 Lys Leu Ala Asp Pro Ile Thr Ile Ala Asn Gly Asp Val Ser Leu Lys
 50 55 60
 Val Gly Gly Gly Leu Thr Leu Gln Glu Gly Ser Met Thr Val Asp Pro
 65 70 75 80
 Lys Ala Pro Leu Gln Leu Ala Asn Asn Lys Lys Leu Glu Leu Val Tyr
 85 90 95
 Val Asp Pro Phe Glu Val Ser Ala Asn Lys Leu Ser Leu Lys Val Gly
 100 105 110
 His Gly Leu Lys Ile Leu Asp Asp Lys Ser Ala Gly Gly Leu Lys Asp
 115 120 125
 Leu Ile Gly Lys Leu Val Val Leu Thr Gly Lys Gly Ile Gly Thr Glu
 130 135 140
 Asn Leu Gln Asn Thr Asp Gly Ser Ser Arg Gly Ile Gly Ile Ser Val
 145 150 155 160
 Arg Ala Arg Glu Gly Leu Thr Phe Asp Asn Asp Gly Tyr Leu Val Ala
 165 170 175
 Trp Asn Pro Lys Tyr Asp Thr Arg Thr Leu Trp Thr Thr Pro Asp Thr
 180 185 190
 Ser Pro Asn Cys Arg Ile Asp Lys Glu Lys Asp Ser Lys Leu Thr Leu
 195 200 205
 Val Leu Thr Lys Cys Gly Ser Gln Ile Leu Ala Asn Val Ser Leu Ile
 210 215 220
 Val Val Ser Gly Lys Tyr Gln Tyr Ile Asp His Ala Thr Asn Pro Thr
 225 230 235 240
 Leu Lys Ser Phe Lys Ile Lys Leu Leu Phe Asp Asn Lys Gly Val Leu
 245 250 255
 Leu Pro Ser Ser Asn Leu Asp Ser Thr Tyr Trp Asn Phe Arg Ser Asp
 260 265 270
 Asn Leu Thr Val Ser Glu Ala Tyr Lys Asn Ala Val Glu Phe Met Pro
 275 280 285
 Asn Leu Val Ala Tyr Pro Lys Pro Thr Thr Gly Ser Lys Lys Tyr Ala
 290 295 300
 Arg Asp Ile Val Tyr Gly Asn Ile Tyr Leu Gly Gly Leu Ala Tyr Gln
 305 310 315 320
 Pro Val Val Ile Lys Val Thr Phe Asn Glu Glu Ala Asp Ser Ala Tyr
 325 330 335
 Ser Ile Thr Phe Glu Phe Val Trp Asn Lys Glu Tyr Ala Arg Val Glu
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 Phe Glu Thr Thr Ser Phe Thr Phe Ser Tyr Ile Ala Gln Gln
 355 360 365

<210> 4
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 <213> Adenovirus

<400> 4

Met	Ser	Lys	Arg	Leu	Arg	Val	Glu	Asp	Asp	Phe	Asn	Pro	Val	Tyr	Pro
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			20					25					30		
Val	Ser	Ser	Asp	Gly	Phe	Gln	Asn	Phe	Pro	Pro	Gly	Val	Leu	Ser	Leu
		35					40					45			
Lys	Leu	Ala	Asp	Pro	Ile	Ala	Ile	Val	Asn	Gly	Asn	Val	Ser	Leu	Lys
	50					55					60				
Val	Gly	Gly	Gly	Leu	Thr	Leu	Gln	Asp	Gly	Thr	Gly	Lys	Leu	Thr	Val
65					70					75				80	
Asn	Ala	Asp	Pro	Pro	Leu	Gln	Leu	Thr	Asn	Asn	Lys	Leu	Gly	Ile	Ala
				85					90					95	
Leu	Asp	Ala	Pro	Phe	Asp	Val	Ile	Asp	Asn	Lys	Leu	Thr	Leu	Leu	Ala
			100					105					110		
Gly	His	Gly	Leu	Ser	Ile	Ile	Thr	Lys	Glu	Thr	Ser	Thr	Leu	Pro	Gly
	115						120					125			
Leu	Arg	Asn	Thr	Leu	Val	Val	Leu	Thr	Gly	Lys	Gly	Ile	Gly	Thr	Glu
	130					135					140				
Ser	Thr	Asp	Asn	Gly	Gly	Thr	Val	Cys	Val	Arg	Val	Gly	Glu	Gly	Gly
145				150					155					160	
Gly	Leu	Ser	Phe	Asn	Asn	Asp	Gly	Asp	Leu	Val	Ala	Phe	Asn	Lys	Lys
			165					170						175	
Glu	Asp	Lys	Arg	Thr	Leu	Trp	Thr	Thr	Pro	Asp	Thr	Ser	Pro	Asn	Cys
			180					185					190		
Lys	Ile	Asp	Gln	Asp	Lys	Asp	Ser	Lys	Leu	Thr	Leu	Val	Leu	Thr	Lys
	195					200						205			
Cys	Gly	Ser	Gln	Ile	Leu	Ala	Asn	Val	Ser	Leu	Ile	Val	Val	Asp	Gly
	210					215					220				
Lys	Tyr	Lys	Ile	Ile	Asn	Asn	Asn	Thr	Gln	Pro	Ala	Leu	Lys	Gly	Phe
225					230					235				240	
Thr	Ile	Lys	Leu	Leu	Phe	Asp	Glu	Asn	Gly	Val	Leu	Met	Glu	Ser	Ser
			245					250					255		
Asn	Leu	Gly	Lys	Ser	Tyr	Trp	Asn	Phe	Arg	Asn	Glu	Asn	Ser	Ile	Met
			260					265					270		
Ser	Thr	Ala	Tyr	Glu	Lys	Ala	Ile	Gly	Phe	Met	Pro	Asn	Leu	Val	Ala
		275					280					285			
Tyr	Pro	Lys	Pro	Thr	Ala	Gly	Ser	Lys	Lys	Tyr	Ala	Arg	Asp	Ile	Val
	290					295					300				
Tyr	Gly	Asn	Ile	Tyr	Leu	Gly	Gly	Lys	Pro	Asp	Gln	Pro	Val	Thr	Ile
305					310					315				320	
Lys	Thr	Thr	Phe	Asn	Gln	Glu	Thr	Gly	Cys	Glu	Tyr	Ser	Ile	Thr	Phe
			325					330					335		
Asp	Phe	Ser	Trp	Ala	Lys	Thr	Tyr	Val	Asn	Val	Glu	Phe	Glu	Thr	Thr
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Ser	Phe	Thr	Phe	Ser	Tyr	Ile	Ala	Gln	Glu						
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<212> PRT

<213> Adenovirus

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			20					25					30		
Phe	Val	Ser	Pro	Asn	Gly	Phe	Gln	Glu	Ser	Pro	Pro	Gly	Val	Leu	Ser
		35					40					45			
Leu	Arg	Leu	Ser	Glu	Pro	Leu	Val	Thr	Ser	Asn	Gly	Met	Leu	Ala	Leu
	50					55					60				
Lys	Met	Gly	Asn	Gly	Leu	Ser	Leu	Asp	Glu	Ala	Gly	Asn	Leu	Thr	Ser
65					70					75				80	
Gln	Asn	Val	Thr	Thr	Val	Ser	Pro	Pro	Leu	Lys	Lys	Thr	Lys	Ser	Asn
				85					90					95	
Ile	Asn	Leu	Glu	Ile	Ser	Ala	Pro	Leu	Thr	Val	Thr	Ser	Glu	Ala	Leu
			100						105				110		
Thr	Val	Ala	Ala	Ala	Ala	Pro	Leu	Met	Val	Ala	Gly	Asn	Thr	Leu	Thr
		115					120					125			
Met	Gln	Ser	Gln	Ala	Pro	Leu	Thr	Val	His	Asp	Ser	Lys	Leu	Ser	Ile
	130					135					140				
Ala	Thr	Gln	Gly	Pro	Leu	Thr	Val	Ser	Glu	Gly	Lys	Leu	Ala	Leu	Gln
145					150					155				160	
Thr	Ser	Gly	Pro	Leu	Thr	Thr	Thr	Asp	Ser	Ser	Thr	Leu	Thr	Ile	Thr
				165					170					175	
Ala	Ser	Pro	Pro	Leu	Thr	Thr	Ala	Thr	Gly	Ser	Leu	Gly	Ile	Asp	Leu
			180					185					190		
Lys	Glu	Pro	Ile	Tyr	Thr	Gln	Asn	Gly	Lys	Leu	Gly	Leu	Lys	Tyr	Gly
	195						200				205				
Ala	Pro	Leu	His	Val	Thr	Asp	Asp	Leu	Asn	Thr	Leu	Thr	Val	Ala	Thr
	210					215					220				
Gly	Pro	Gly	Val	Thr	Ile	Asn	Asn	Thr	Ser	Leu	Gln	Thr	Lys	Val	Thr
225					230					235				240	
Gly	Ala	Leu	Gly	Phe	Asp	Ser	Gln	Gly	Asn	Met	Gln	Leu	Asn	Val	Ala
				245					250					255	
Gly	Gly	Leu	Arg	Ile	Asp	Ser	Gln	Asn	Arg	Arg	Leu	Ile	Leu	Asp	Val
		260						265				270			
Ser	Tyr	Pro	Phe	Asp	Ala	Gln	Asn	Gln	Leu	Asn	Leu	Arg	Leu	Gly	Gln
	275						280					285			
Gly	Pro	Leu	Phe	Ile	Asn	Ser	Ala	His	Asn	Leu	Asp	Ile	Asn	Tyr	Asn
	290					295					300				
Lys	Gly	Leu	Tyr	Leu	Phe	Thr	Ala	Ser	Asn	Asn	Ser	Lys	Lys	Leu	Glu
305					310					315				320	
Val	Asn	Leu	Ser	Thr	Ala	Lys	Gly	Leu	Met	Phe	Asp	Ala	Thr	Ala	Ile
				325					330					335	
Ala	Ile	Asn	Ala	Gly	Asp	Gly	Leu	Glu	Phe	Gly	Ser	Pro	Asn	Ala	Pro
		340						345					350		
Asn	Thr	Asn	Pro	Leu	Lys	Thr	Lys	Ile	Gly	His	Gly	Leu	Glu	Phe	Asp
	355						360					365			
Ser	Asn	Lys	Ala	Met	Val	Pro	Lys	Leu	Gly	Thr	Gly	Leu	Ser	Phe	Asp
	370					375					380				
Ser	Thr	Gly	Ala	Ile	Thr	Val	Gly	Asn	Lys	Asn	Asn	Asp	Lys	Leu	Thr
385					390					395				400	
Leu	Trp	Thr	Thr	Pro	Ala	Pro	Ser	Pro	Asn	Cys	Arg	Leu	Asn	Ala	Glu
				405					410					415	
Lys	Asp	Ala	Lys	Leu	Thr	Leu	Val	Leu	Thr	Lys	Cys	Gly	Ser	Gln	Ile
			420					425					430		

Leu Ala Thr Val Ser Val Leu Ala Val Lys Gly Ser Leu Ala Pro Ile
 435 440 445
 Ser Gly Thr Val Gln Ser Ala His Leu Ile Ile Arg Phe Asp Glu Asn
 450 455 460
 Gly Val Leu Leu Asn Asn Ser Phe Leu Asp Pro Glu Tyr Trp Asn Phe
 465 470 475 480
 Arg Asn Gly Asp Leu Thr Glu Gly Thr Ala Tyr Thr Asn Ala Val Gly
 485 490 495
 Phe Met Pro Asn Leu Ser Ala Tyr Pro Lys Ser His Gly Lys Thr Ala
 500 505 510
 Lys Ser Asn Ile Val Ser Gln Val Tyr Leu Asn Gly Asp Lys Thr Lys
 515 520 525
 Pro Val Thr Leu Thr Ile Thr Leu Asn Gly Thr Gln Glu Thr Gly Asp
 530 535 540
 Thr Thr Pro Ser Ala Tyr Ser Met Ser Phe Ser Trp Asp Trp Ser Gly
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 His Asn Tyr Ile Asn Glu Ile Phe Ala Thr Ser Ser Tyr Thr Phe Ser
 565 570 575
 Tyr Ile Ala Gln Glu
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32

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<400> 7
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28

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<400> 8
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27

<210> 9
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<400> 9
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36

<210> 10
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<400> 10
cctggggtac tctctttgaa actggctgac cca 33

<210> 11
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<400> 11
aaaactagtt cattcttggg cgatata 27

<210> 12
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ttcccacctg gggtcctgtc actcaaactg gctgacccaa tcgccatcac taatggggat 180
gtctcactca aggtgggagg gggactaact gtggaacaag atagtggaaa cctaagtgtg 240
aaccctaagg ctccattgca agttggaaca gacaaaaaac tgggaattggc ttagcacct 300
ccatttgatg tcagagataa caagctagct attctagtag gagatggatt aaaggtaata 360
gatagatcaa tatctgattt gccaggtttg ttaaaactatc ttgtagtttt gactggcaaa 420
ggaattggaa atgaagaatt aaaaaatgac gatggtagca ataaaggagt cggtttatgt 480
gtgagaattg gagaaggagg tggtttaact tttgatgata aaggttatatt agtagcatgg 540
aacaataaac atgacatccg cacactttgg acaactttag acccttctcc aaattgtaag 600
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ttggcaaatt tatctctaata tatagtcaac ggaaagttca agatccttaa taacaaaaca 720
gacccatccc tacctaaatc atttaacatc aaactactgt ttgatcaaaa tggagttcta 780
ttggaaaatt caaacattga aaaacagtac ctaaacttta gaagtggaga ctctattctt 840
ccagagccat ataaaaatgc aattggattt atgcctaatt tactagctta tgctaaagct 900
acaactgatc agtctaaaat ttatgcaagg aacactatat atggaaatat ctacttagat 960
aatcagccat ataattccagt tgtaattaaa attactttta ataattgaagc agatagtgtc 1020
tattctatca cttttaacta ttcattggacc aaggactatg acaatatccc ttttgattct 1080
acttcattta cttctccta tatcgcccaa gaatga 1116

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<400> 13
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<210> 14
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1 5 10

<210> 15
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<213> Adenovirus

<400> 15

Leu Trp Thr Thr Pro Asp Pro Ser Pro Asn Cys Arg Ile His
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<210> 16

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<213> Adenovirus

<400> 16

Leu Trp Thr Thr Pro Asp Thr Ser Pro Asn Cys Lys Ile Asp
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Leu Trp Thr Thr Pro Asp Thr Ser Pro Asn Cys Lys Ile Asp
1 5 10

<210> 18

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<212> PRT

<213> Adenovirus

<400> 18

Leu Trp Thr Gly Pro Lys Pro Glu Ala Asn Cys Ile Ile Glu
1 5 10

<210> 19

<211> 18

<212> PRT

<213> Adenovirus

<400> 19

Gly Asp Ser Ile Leu Pro Glu Pro Tyr Lys Asn Ala Ile Gly Phe Met
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Pro Asn

<210> 20

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<212> PRT

<213> Adenovirus

<400> 20

Leu Asp Pro Glu Tyr Trp Asn Phe Arg Asn Gly Asp Leu Thr Glu Gly
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Thr Ala

<210> 21

<211> 18

<212> PRT

<213> Adenovirus

<400> 21

Leu Lys Lys His Tyr Trp Asn Phe Arg Asn Gly Asn Ser Thr Asn Ala
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Asn Pro

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<213> Adenovirus

<400> 22

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Thr Ala

<210> 23

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<212> PRT

<213> Adenovirus

<400> 23

Leu Asp Ser Thr Tyr Trp Asn Phe Arg Ser Asp Asn Leu Thr Val Ser
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Glu Ala

<210> 24

<211> 8

<212> PRT

<213> Adenovirus

<400> 24

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